



# HF Happenings 803

Volume 16, Issue 13, the week of 9 July 2018

You can now download your copy of HF Happenings from [www.sarl.org.za/hf\\_happenings.asp](http://www.sarl.org.za/hf_happenings.asp)



*"Getting ready for the IARU HF Championships!"*

## The RaDAR Challenge on Saturday

The RaDAR Challenge is a unique event aimed at promoting the use of Rapidly Deployable Amateur Radio stations. The category of participation (Fixed, Field or Moving) may be changed at any time during the challenge. The points system is so structured as to encourage portable RaDAR operations especially moveable RaDAR stations.

RaDAR operators are encouraged to be self-sufficient during each challenge, with not only power supply and communications equipment but food, water, protective clothing and shelter. RaDAR operators define their own operating time schedule. It's up to each individual to plan his/her maximum, single period, four hours of operating.

The second RaDAR Challenge takes place from 00:00 to 23:59 UTC on Saturday 14 July 2018 with CW, SSB, FM or any legal amateur radio digital mode on all amateur bands, including cross band contacts via amateur radio satellites. The RaDAR challenge requires more than a minimalistic information exchange. The exchange is your call sign, name, RS or RST report and grid locator.

Consult the 2018 Blue Book or the July issue of Radio ZS for all the details.

Get on the RaDAR....and GO!

**RA**DAR  
GOES GLOBAL

## July

8 to 14 – Vrystaat Arts Festival, Bloemfontein

9 - [Closing date ZS5 Sprint logs](#)

13 - [Friggatriskaidekaphobia](#)

14 and 15 - [IARU HF Championships and WRTC 2018](#); Franschoek Bastille Festival

14 - [RaDAR Challenge](#); October RAE registration opens; West Rand ARC AGM

15 to 20 July 1916 - The Battle of Delville Wood

16 - Closing date Newbie logs

17 - Provincial schools open

19 - Delta Aquariid meteor shower

19 to 22 – Schreiner Karoo Writers Festival, Cradock

21 - [Winter QRP contest](#); Pretoria ARC Flea Market

22 - [ZS2 Sprint](#)

25 - [Closing date for August Radio ZS](#)

27 to 29 – Winter Celebration, Hogsback

28 – [Namibian Amateur Radio League AGM](#); Cape Town ARC AGM; [Closing date for RaDAR logs](#); [Closing date QRP contest logs](#)

28 and 29 - [RSGB Islands on the Air \(IOTA\) contest](#)

29 - [Closing date for ZS2 Sprint logs](#)

## August

5 – [SARL HF Phone Contest](#)

8 to 15 – [YOTA 2018 Summer Camp in South Africa](#)

9 – National Women's Day; [SARL YL Sprint](#)

12 – International Youth Day

13 - [closing date for HF Phone contest logs](#)

16 – [closing date YL Sprint logs](#)

18 and 19 – [International Lighthouse and Lightship Weekend](#)

19 – [SARL HF Digital Contest](#); World Humanitarian Day

22 - Eid-al-Adha

23 – [closing date for articles for the September Radio ZS](#)

25 – [Cape Town ARC Meeting](#); Pretoria ARC AGM and Flea Market

26 – [SARL HF CW Contest](#)

27 – [closing date for HF Digital logs](#)

## IARU HF Championships and WRTC-2018

The IARU HF Championships and the WRTC-2018 will be on the air from 12:00 UTC Saturday 14 July and ending at 11:59 UTC Sunday 15 July 2018. All licensed amateurs worldwide are eligible to participate. The object is to contact as many other amateurs on phone and CW, especially IARU Member Society HQ stations, around

the world as possible using the 160, 80, 40, 20, 15 and 10 metre bands. Both Single and Multi-operator stations may operate the entire 24-hour period.

WRTC-2018 has 63 teams participating from Germany and they are using the same rules at the HF Championships.

South African stations will exchange a RS or RST report and ITU Zone 57. ZS9HQ will give a RS or RST report and SARL. The rules are on page 24 of the July issue of Radio ZS.

### Results of the ZS5 Sprint

The ZS5 Sprint was held on Sunday 1 July and 14 logs were received, 13 contest logs and 1 check log.

- 1<sup>st</sup> the Port Elizabeth ARS, ZS2PE - 66 points
  - 2<sup>nd</sup> Justin Furner, ZS5KT - 49 points
  - 3<sup>rd</sup> Deon Fraser, ZS5DCF - 47 points
  - 4<sup>th</sup> the Durban ARC, ZS5D - 43 points
  - 5<sup>th</sup> Woody Collet, ZS3WL - 36 points
  - 6<sup>th</sup> Arthur Duvenhage, ZS5DUV - 32 points
  - 7<sup>th</sup> Pieter Jacobs, V51PJ - 31 points
  - 8<sup>th</sup> the Zululand ARC, ZS5ZLB - 26 points
  - 9<sup>th</sup> Roy Walsh, ZS3RW - 22 points
  - 10<sup>th</sup> Jan Botha, ZS4JAN - 17 points
  - 11<sup>th</sup> Christo Bock, ZS1BOK - 12 points
  - 12<sup>th</sup> Anthony Rouquette, ZS6ANT - 6 points
  - 13<sup>th</sup> the Centurion ARC, ZS6CEN - 3 points
- The Highway ARC, ZS5HAM submitted a Check Log

### International Lighthouse and Lightship Weekend

The International Lighthouse and Lightship Weekend (ILLW) takes place of the weekend of 18 and 19 August 2018. Looking at the listing on the ILLW web site, I see nine South African lighthouses listed so far.

Cape Hangklip Lighthouse, ZA0010 to be activated by the Cape Radio Group, ZS1CRG with six operators

Green Point Lighthouse, ZA0006 to be activated by the Cape Town Amateur Radio Centre, ZS1CT. This is their 21st year in the ILLW.

Cape Point Lighthouse (New and Old) ZA0013 and 14 to be activated by Gregory, ZS1EZ, Ursula, ZS1UP and Terence, ZR1ACI.

Slangkop Lighthouse ZA0015 to be activated by the False Bay ARC ZS1FRC

Danger Point Lighthouse ZA0005 to be activated by the Overberg ARC, ZS1OAR

North Head Lighthouse, Saldanha ZA0029 to be activated by the Bo-Karoo ARC, ZS3VDK

Green Point Lighthouse (KZN) ZA0018 to be activated by the Highway ARC, ZS5HAM

L'Agulhas Lighthouse ZA0011 will be activated by the Boland ARC with special call sign ZS70BAK – the Club is celebrating its 70<sup>th</sup> birthday

Robben Island Lighthouse ZA0008 to be activated between 17 and 20 August by ZS9V - Jan, ZS1VDV, Andre, ZS1AN, Johan, ZS1A, Allan ZS1LS, Oleg ZS1OIN and Oleg, ZS1ANF. On 27 and 28 July Robben Island AF-064 will be active as ZS9V during the Islands on the Air Contest. Robben Island is ZSFF-0322 for World Wide Fauna and Flora.

Cannot find a lighthouse in the Free State! Visit <https://illw.net/index.php/entrants-list-2018> to see who is in this year's event.



### African DX

*Contacts with stations on the African continent count towards the SARL's All Africa Award ([www.sarl.org.za/public/awards/awards.asp](http://www.sarl.org.za/public/awards/awards.asp))*

Botswana, A2. Andre, NJ0F, will once again be active as A25A from Lotsane Lodge, Tuli Block, between 13 and 20 July. Activity will be on 80 to 10 metres using CW, SSB, RTTY and FT8. QSL via NJ0F direct, Club Log or LoTW. After Botswana he is expected to go to Malawi (probably will sign as 7Q7Z).

Malawi, 7Q. Arnold, WB6OJB will be active as 7Q7JK between 20 and 25 July. Activity from 40 to 10 metres using SSB. QSL via home call, direct.

Malawi, 7Q. Alex, IW5ELA will be active as 7Q7ELA from 17 to 26 September. Operation on HF using mainly CW. QSL via home call. Activity will be from these locations – 17 to 20 September Game Haven Lodge, 20 to 23 September Mvuu Camp and 23 to 26 September Makokola Retreat.



Kingdom of Eswatini (Swaziland), 3DA0. Pista will be active during the second half of September as 3DA0AO (pending). Activity from 80 to 10 metres using CW, SSB and digital. OQRS and log search on [www.ha5ao.com/](http://www.ha5ao.com/). As he did in Lesotho, Pista continues his humanitarian project work by supporting an orphanage. More to follow.

Rwanda, 9X. Members of the Italian DX Team, who will be active as 9X0T between 27 September and 10 October, will use a second call sign, 9X0Y, on FT8 only in the DXpedition mode. Suggested frequencies are 7 056, 10 131, 14 090, 18 095, 21 091, 24 911 and 28 091 kHz. The team has prepared a brief, step-by-step manual for configuring the "Hound Mode" of the WSJT-X program which can be found on their Web page. QSL via I2YSB direct only. For more details and updates as well as a log search and an OQRS are available on [www.i2ysb.com/idx](http://www.i2ysb.com/idx)

Burkina Faso, XT. A Slovenian Team with S54W, S57L, S58Y, S59ZZ and S50A will be operating as XT2SZZ from Bobo Dioulasso between 22 and 30 October. QSL via S59ZZ.

Zimbabwe, Z2. A team from 20 operators with Antonio, IZ8CCW as leader and Gabriele, I2VGW as co-leader will be active as Z23MD from 26 October until 6 November. Focus will be on the low bands, WARC bands and digital modes. They will be active with 5 stations nonstop. <http://www.mdxc.org/z23md/>

## African Islands

IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

Cape Verde, D4. Christian, M0UPL, will be active as D44EK from Sal Island (AF-086) between 23 July and 7 August. Activity will be on various HF bands using SSB. QSL via his home call sign.

Robben Island, ZS. A group of 6 operators will once again activate Robben Island, in the Western Cape Province South West Group, as ZS9V during the RSGB IOTA Contest (IOTA AF-064) on the weekend of 28 and 29 July and from 17 to 20 August including the Lighthouse Weekend (ZA0008). Robben Island is ZSFF-0322 for the Fauna and Flora programme.

Operators mentioned are Jan, ZS1VDV, Andre, ZS1AN, Johan, ZS1A, Allan ZS1LS, Oleg ZS1OIN and Oleg, ZS1ANF. Activity will be on 80 to 10 meters using CW, SSB and possible the digital modes. QSL via M0OXO or OQRS. For more details, see <http://zs9v.org.za>



Mauritius, 3B8 Karel, OK2ZI will be operating from Pointe aux Sable as 3B8/OK2ZI between 26 July and 4 August. Activity from 160 to 10 metres using CW, SSB and digital. QSL via home call, OQRS Club Log and LoTW.

Mayotte, FH. The Czech DX Team will be operating between 20 September and 6 October. Activity from 160 to 10 metres using CW, SSB and digital modes with a focus on the low bands. QSL via OK6DJ, OQRS and LoTW.

Los Farallones Island, CN. Plans are underway for an international team of IOTA activators. Dates and full information to follow IOTA AF-118.

Carabane Island, 6W. Alfredo, IK7JWX and team are planning a humanitarian DXpedition for 10 days in November 2018 IOTA AF-078. The call sign is pending. More to follow.

### **DXCC's Most Wanted (Club Log)**

The "DXCC Most Wanted" entities list has been updated on Club Log as of 4 July. There was a slight change this month with KH1 moving down from 5 to 10. The list contains 340 entities and here are the top 10 entities. The complete "DXCC Most Wanted" entities list is available at <https://secure.clublog.org/most-wanted.php>

1. P5 DPRK (North Korea)
2. 3Y/B Bouvet Island
3. FT5/W Crozet Island
4. BS7H Scarborough Reef
5. CE0X San Felix Islands
6. BV9P Pratas Island
7. KH7K Kure Island
8. KH3 Johnston Island
9. VK0M Macquarie Island
10. KH1 Baker Howland Islands

### **Contest Calendar**

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 2 to 9 July 2018

Phone Fray  
02:30 - 03:00 UTC 11 July  
Geographic Focus: North America  
Participation: Worldwide  
Mode: SSB  
Bands: 160, 80, 40, 20, 15 m  
Classes: Single Op  
Max power: 100 watts  
Exchange: NA: Name and state, province or country; non-NA: Name  
Work stations: Once per band  
QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station  
Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 03:00 UTC 13 July 2018  
E-mail logs to: (none)  
Post log summary at: [www.3830scores.com](http://www.3830scores.com)  
Mail logs to: (none)  
Find rules at: [www.perluma.com/Phone\\_Fray\\_Con-test\\_Rules.pdf](http://www.perluma.com/Phone_Fray_Con-test_Rules.pdf)

CWops Mini-CWT Test  
13:00 - 14:00 UTC and 19:00 - 20:00 UTC 11 July  
and 03:00 - 04:00 UTC 12 July  
Geographic Focus: Worldwide  
Participation: Worldwide  
Awards: Worldwide  
Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m  
Classes: Single Op - QRP, low or high  
Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts  
Exchange: Member: Name and member no; non-Member: Name and state, province or country  
Work stations: Once per band  
QSO Points: 1 point per QSO  
Multipliers: Each call once  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 04:00 UTC 14 July 2018  
Post log summary at: [www.3830scores.com](http://www.3830scores.com)  
Mail logs to: (none)  
Find rules at: [www.cwops.org/cwt.html](http://www.cwops.org/cwt.html)

RSGB 80 m Club Championship, SSB  
19:00 - 20:30 UTC 11 July  
Geographic Focus: United Kingdom  
Participation: Worldwide  
Awards: United Kingdom  
Mode: SSB  
Bands: 80 m Only  
Classes: (none)  
Exchange: RS and serial no  
QSO Points: 1 point per QSO  
Multipliers: (none)  
Score Calculation: (see rules)  
Submit logs by: 23:59 UTC 12 July 2018  
Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>  
Mail logs to: (none)



Find rules at:

<http://www.rsgbcc.org/hf/rules/2018/r80mcc.shtml>

QRP Fox Hunt

01:00 - 02:30 UTC 13 July

Geographic Focus: United States

Participation: Worldwide

Mode: CW

Bands: 20 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 02:30 UTC 14 July 2018

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at: [http://www.qrpfoxhunt.org/summer\\_rules.htm](http://www.qrpfoxhunt.org/summer_rules.htm)

NCCC RTTY Sprint

01:45 - 02:15 UTC 13 July

Geographic Focus: North America

Participation: Worldwide

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 15 July 2018

E-mail logs to: (none)

Post log summary at: [www.3830scores.com/](http://www.3830scores.com/)

Mail logs to: (none)

Find rules at: [www.ncccsprint.com/rtty.html](http://www.ncccsprint.com/rtty.html)

NCCC Sprint

02:30 - 03:00 UTC 13 July

Geographic Focus: North America

Participation: Worldwide

Mode: CW

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 15 July 2018

E-mail logs to: (none)

Post log summary at: [www.3830scores.com/](http://www.3830scores.com/)

Mail logs to: (none)

Find rules at: [www.ncccsprint.com/rules.html](http://www.ncccsprint.com/rules.html)

FISTS Summer Unlimited Sprint

00:00 - 04:00 UTC 14 July

Geographic Focus: United States/Canada

Participation: Worldwide

Awards: United States/Canada

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: QRP; QRO; Club

Max power: QRO: 100 watts; QRP: 5 watts

Exchange: FISTS: RST, state, province or country, first name and FISTS no; non-FISTS: RST, state, province or country, first name and power

Work stations: Once per band

QSO Points: 5 points per QSO with FIST member;

FIST members: 2 points per QSO with non-FIST member

Multipliers: Each US state and VE province once;

Each DXCC country once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 13 August 2018

E-mail logs to: [n2ed@fistsna.org](mailto:n2ed@fistsna.org)

Mail logs to: (none)

Find rules at: [www.fistsna.org/operating.html#sprints](http://www.fistsna.org/operating.html#sprints)

IARU HF World Championship

12:00 UTC 14 July to 12:00 UTC 15 July

Mode: CW, Phone

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - CW, phone or mixed - QRP, low or high; Single Op Unlimited - CW, phone or mixed - QRP, low or high; Multi-Single; IARU Member Society HQ

Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts

Exchange: IARU HQ: RS(T) and IARU Society; Non-HQ: RS(T) and ITU Zone no

Work stations: Once per band per mode

QSO Points: 1 point per QSO with same zone or with HQ stations; 3 points per QSO with different zone on same continent; 5 points per QSO with different zone on different continent

Multipliers: Each ITU zone once per band; Each IARU HQ and each IARU official once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 12:00 UTC 20 July 2018

E-mail logs to: (none)

Upload log at: <http://contest-log-submission.arrl.org/>

Mail logs to: ARRL Contest Logs, IARU HF World Championship, Box 310905, Newington, CT 06111, USA

Find rules at: [www.arrl.org/iaru-hf-championship](http://www.arrl.org/iaru-hf-championship)

QRP ARCI Summer Homebrew Sprint

20:00 - 23:00 UTC 15 July

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: All Band; Single Band; High Bands; Low Bands  
 Exchange: RST, state, province or country and ARCI no or power  
 Work stations: Once per band  
 QSO Points: 5 points per QSO with ARCI member; 4 points per non-member QSO with different continent; 2 points per non-member QSO with same continent; Bonus Points: 2 000 points per band for using homebrew transmitter; 3 000 points per band for using homebrew receiver; 5 000 points per band for using homebrew transceiver; 5 000 points for operating portable with emergency power and temporary antennas  
 Multipliers: States, once per band; VE Provinces, once per band; Countries, once per band  
 Power Mult:  $>5\text{ W} = \times 1$ ,  $1 - 5\text{ W} = \times 7$ ,  $250\text{ mW} - 1\text{ W} = \times 10$ ,  $55 - 250\text{ mW} = \times 15$ ,  $<55\text{ mW} = \times 20$   
 Score Calculation: Total score = (total QSO points x (state mults and province mults and country mults) x power mult) and bonus points  
 Submit logs by: 29 July 2018  
 E-mail logs to: (none)  
 Upload log at: <http://www.qrpcontest.com>  
 Mail logs to: (none)  
 Find rules at: <http://www.qrparci.org/contests/>

Run for the Bacon QRP Contest  
 01:00 - 03:00 UTC 16 July  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: CW  
 Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: Single Band; All Band  
 Max power: 5 watts  
 Exchange: RST, state, province or country and member no or power  
 Work stations: Once per band  
 QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent  
 Multipliers: Each state, province, or country once; Multiply mults by 2 if >50 members worked  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 22 July 2018  
 E-mail logs to: (none)  
 Upload log at: <http://qrpcontest.com/pigrun/autolog.php>  
 Mail logs to: (none)  
 Find rules at: <http://qrpcontest.com/pigrun/>

## Next Week's Contests

Phone Fray, 02:30 - 03:00 UTC 18 July  
 CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 18 July and 03:00 - 04:00 UTC 19 July  
 NAQCC CW Sprint, 00:30 - 02:30 UTC 19 July  
 QRP Fox Hunt, 01:00 - 02:30 UTC 20 July  
 NCCC RTTY Sprint, 01:45 - 02:15 UTC 20 July  
 NCCC Sprint, 02:30 - 03:00 UTC 20 July  
 Russian Radio Team Championship, 07:00 - 14:59 UTC 21 July  
 Trans-Tasman Low-Bands Challenge, 08:00 - 14:00 UTC 21 July  
 Jakarta DX 40 m Contest, 10:00 - 22:00 UTC 21 July  
 DMC RTTY Contest, 12:00 UTC 21 July to 12:00 UTC 22 July  
 Feld Hell Sprint, 12:00 - 13:59 UTC 21 July  
 CQ Worldwide VHF Contest, 18:00 UTC 21 July to 21:00 UTC 22 July  
 North American RTTY QSO Party, 18:00 UTC 21 July to 05:59 UTC 22 July  
 SA Sprint Contest, 21:00 - 22:59 UTC 21 July  
 RSGB Low Power Contest, 09:00 - 12:00 UTC and 13:00 - 16:00 UTC 22 July  
 CQC Great Colorado Gold Rush, 20:00 - 21:59 UTC 22 July

*Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter*